

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 11777-3 (1986): Circular Connectors for Radio and Associated Sound Equipment for Frequencies Below 3MHz Including DC, Part 3: Fixed Three-socket Connector for Sound Equipment Type 11777 IS-02 [LITD 3: Electromechanical Components and Mechanical Structures for Electronic Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

SPECIFICATION FOR CIRCULAR CONNECTORS FOR  
RADIO AND ASSOCIATED SOUND EQUIPMENT FOR  
FREQUENCIES BELOW 3MHz INCLUDING DC

PART 3 FIXED THREE-SOCKET CONNECTOR FOR SOUND  
EQUIPMENT TYPE 11777 IS-02

0. **General** — This standard shall be read in conjunction with IS : 11777 ( Part 1 )-1986 'Specification for circular connectors for radio and associated sound equipment for frequencies below 3 MHz including dc : Part 1 Test schedule and requirements'.

1. **Type Designation** — See 4 of IS : 11777 ( Part 1 )-1986.

2. **Outline and Dimensions** — The outline and dimensions shall be according to Fig. 1 and Table 1.

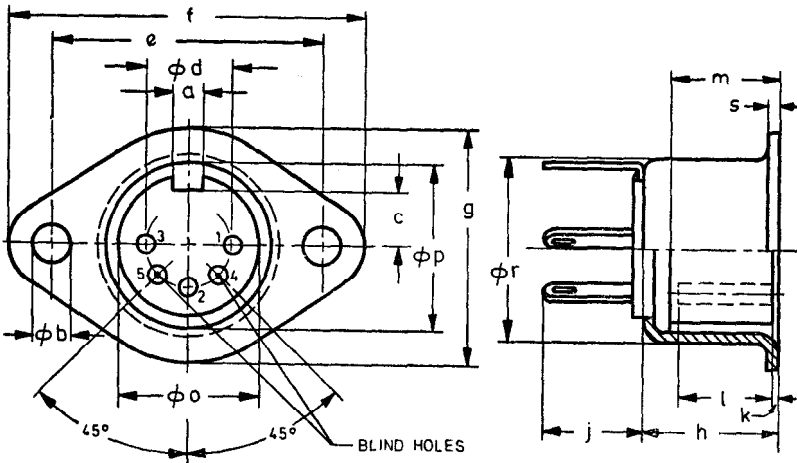


FIG. 1 OUTLINE AND DIMENSIONS

TABLE 1 DIMENSIONS  
( Clause 2 )

Reference	Max mm	Min mm
a	2.7	2.5
$\phi b$	3.3	3.2
c	4.5	—
$\phi d$	7.05	6.95
e	22.3	22.1
f	29	—
g	19	—
h	12.6	11.9
j	8	—
k	1	—
l	—	8.7
m	—	9
$\phi o$	11.8	11.6
$\phi p$	14.0	13.8
$\phi r$	16.2	—
s ( metal )	1.3	1.0
s ( plastic )	3.4	3.0

### 3. Gauges

**3.1 Gauge for Checking Dimensions** — The gauge for checking dimensions shall be according to Fig. 2 and Table 2.

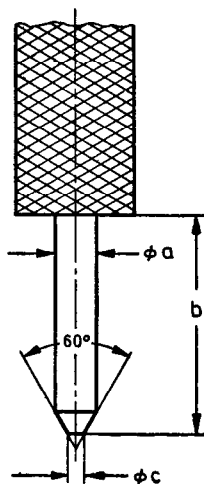


FIG. 1 GAUGE

TABLE 2 DIMENSIONS FOR THE GAUGE FOR CHECKING DIMENSIONS  
( Clause 3.1 )

Reference	Max mm	Min mm
$\phi a$	1.500	1.495
b	8.60	8.40
$\phi c$	0.6 Nom	

**3.2 Gauge for Measuring Contact Resistance** — The gauge for measuring contact resistance shall be according to Fig. 2 and Table 3.

Material beryllium copper, rhodium plated.

**3.3 Gauge for Measuring Retention Force** — The gauge for measuring retention force shall be according to Fig 2 and Table 3.

Material — Hardened tool steel, weight — 120 g.

Surface hardness Ra = 0.16 to 0.25 mm.

TABLE 3 DIMENSIONS FOR THE GAUGE FOR MEASURING CONTACT  
RESISTANCE AND RETENTION FORCE  
( Clauses 3.2 and 3.3 )

Reference	Max mm	Min mm
$\phi a$	1.46	1.45
b	7.8	7.5
$\phi c$	0.6 Nom	

**4. Climatic Category** — See 3 of IS : 11777 ( Part 1 )-1986.

**5. Contact Arrangements and Connections** — See 5 of IS : 11777 ( Part 1 )-1986.

- 6. Electrical Resistance** — The rated voltage shall be 34 V ac or dc and the rated current shall be 2 A ac or dc.
- 7. Materials and Workmanship** — See 7 of IS : 11777 ( Part 1 )-1986.
- 8. Tests** — See 9 of IS : 11777 ( Part 1 )-1986.
- 9. Marking** — See 8 of IS : 11777 ( Part 1 )-1986.

#### **EXPLANATORY NOTE**

This standard is based on IEC Pub 130-9 (1971) 'Connectors for frequencies below 3 MHz : Part 9 Circular connectors for radio and associated equipment'. The type of connector covered in this standard is equivalent to the type 130-9 IEC-02.